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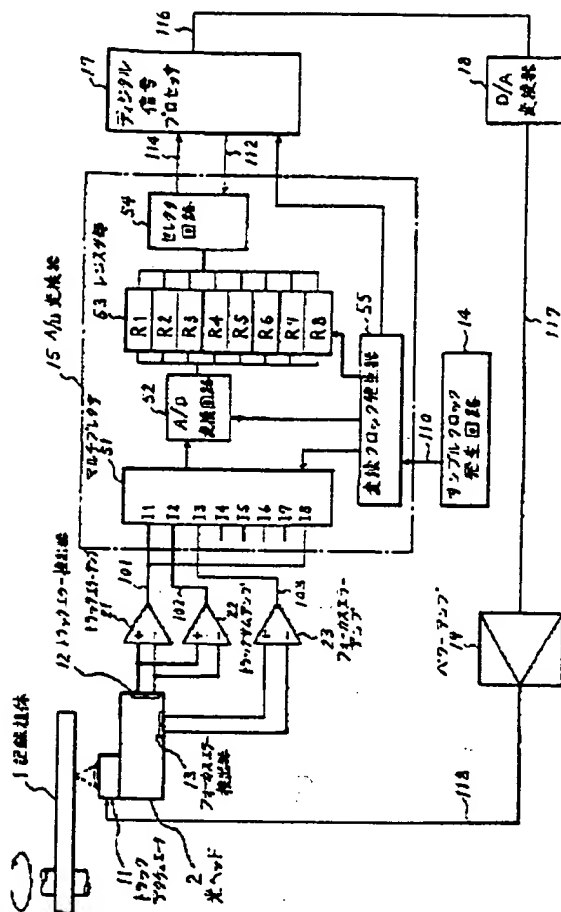
APPLICATION DATE : 11-12-92
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APPLICANT : NEC CORP;

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TITLE : LIGHT SPOT POSITIONING CONTROL DEVICE



ABSTRACT : PURPOSE: To stop a light spot at high moving speed on a track by calculating the moving direction and speed of the light spot based on a difference of a digital dislocation signal obtained by sampling a dislocation signal of the light spot with a high speed clock.

CONSTITUTION: A dislocation signal of the light spot by an optical head 2 is detected by a track-error amplifier 21, etc., and is digital-converted by a multiplexer 51 and an A/D converter 52, etc., in an A/D converter 15, and is then stored in a register part 53. At this time, the multiplexer 51, the converter circuit 52 and the register part 53 are sampled with the high speed conversion clock from a conversion clock generator 55. Then, when the digital dislocation signal is largely changed, the moving direction and the changing speed of the dislocation signal are calculated by a digital signal processor 17 based on a difference of the digital dislocation signal, and even when the movement of the light spot is fast, the light spot is stopped on the track and good focusing, etc., can be performed.

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